

AK

**Notice of Allowability**

Application No.

10/726,889

Examiner

TUYEN T. NGUYEN

Applicant(s)

TAKEYAMA ET AL.

Art Unit

2832

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 9/22/05.
2. ☒ The allowed claim(s) is/are 1,3-17 and 22-29.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment.                  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

*Tuyen Nguyen*

**DETAILED ACTION*****Election/Restrictions***

Claim 1 is generic and allowable. Accordingly, the restriction requirement as to the encompassed species is hereby withdrawn and claims 6-12 and 19, directed to the species of other embodiments, are no longer withdrawn from consideration since all of the claims to this species depend from or otherwise include each of the limitations of an allowed generic claim. In view of the above noted withdrawal of the restriction requirement as to the linked species, applicant(s) are advised that if any claim(s) depending from or including all the limitations of the allowable generic linking claim(s) be presented in a continuation or divisional application, such claims may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

**REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior art of record do not teach or suggest, in the claim combination thereof, an ignition coil comprising the coil insulating resin having a base material which is the same as or different from base material of the connector insulating resin material, wherein the coil insulating resin material is separately arranged from the connector insulating resin material.

Regarding claim 22, the prior art of record do not teach or suggest, in the claim combination thereof, an ignition coil comprising the coil insulating resin having a base material

Art Unit: 2832

which is the same as or different from base material of the connector insulating resin material, wherein the connector insulating resin material having the percentage of content of voids higher than the percentage of content of voids of the coil insulating resin material.

Regarding claim 23, the prior art of record do not teach or suggest, in the claim combination thereof, an ignition coil comprising the coil insulating resin having a base material which is the same as or different from base material of the connector insulating resin material, wherein a coefficient of linear expansion of the connector insulating resin material is smaller than a coefficient of linear expansion of the coil insulating resin material.

Regarding claim 24, the prior art of record do not teach or suggest, in the claim combination thereof, an ignition coil comprising the coil insulating resin having a base material which is the same as or different from base material of the connector insulating resin material, wherein a coefficient of linear expansion of the connector insulating resin material is not less than 11 ppm/°C and less than 40 ppm/°C.

Regarding claim 25, the prior art of record do not teach or suggest, in the claim combination thereof, an ignition coil comprising the coil insulating resin having a base material which is the same as or different from base material of the connector insulating resin material, wherein the Young's modulus of the connector insulating resin material is smaller than Young's modulus of the coil insulating resin material.

Regarding claim 26, the prior art of record do not teach or suggest, in the claim combination thereof, an ignition coil comprising the coil insulating resin having a base material which is the same as or different from base material of the connector insulating resin material, wherein Young's modulus of the connector insulating resin material is less than 8200 MPa.

Art Unit: 2832

Regarding claim 27, the prior art of record do not teach or suggest, in the claim combination thereof, an ignition coil comprising the coil insulating resin having a base material which is the same as the base material of the connector insulating resin material,

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUYEN T. NGUYEN whose telephone number is 571-272-1996. The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, ELVIN ENAD can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTN TTN

*Tuyen T. Nguyen*